

Docket No.: 071971-0643

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
Shunsaku MURAOKA, et al.	:	Confirmation Number: Not Yet Assigned
Application No.: Not Yet Assigned	:	Group Art Unit: Not Yet Assigned
Filed: June 26, 2006	:	Examiner: Not Yet Assigned

For: MEMORY DEVICE, MEMORY CIRCUIT AND SEMICONDUCTOR  
INTEGRATED CIRCUIT HAVING VARIABLE RESISTANCE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed with the application and no certification or fee is required.

A copy of the foreign search report is attached for the Examiner's information. Please note this is a PCT application in the entry of the National Phase in the U.S. and copies of the references cited were transmitted by WIPO and are believed to be in the file of the above identified application and readily available to the Examiner. Therefore it is

believed that Applicants have met all requirements regarding duty of disclosure under 37 CFR 1.56. Acknowledgement and consideration of these documents are respectfully requested.

Since the Search Report was from the EPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above identified application and readily available to the Examiner.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Michael E. Fogarty  
Registration No. 36,139

**Please recognize our Customer No. 20277  
as our correspondence address.**

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 MEF:slh  
Facsimile: 202.756.8087  
**Date: June 26, 2006**

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (PTO-1449)				ATTY. DOCKET NO. <b>071971-0643</b>		SERIAL NO. <b>Not Yet Assigned</b>	
				APPLICANT <b>Shunsaku MURAOKA, et al.</b>			
				FILING DATE <b>June 26, 2006</b>		GROUP <b>Not Yet Assigned</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US 2003/038301 A1	02/27/2003	Moore			
		US 6,583,003 B1	06/24/2003	Hsu, et al.			
		US 6,344,991 B1	02/05/2002	Mikami et al.			
		US 5,969,990 A	10/19/1999	Arase et al.			
		US 6,226,197 B1	05/01/2001	Nishimura			
		US 6,473,332 B1	10/29/2002	Charlson, et al.			
		US 6,574,138 B2	06/03/2003	Schwarzl et al.			
		US 6,278,138 B1	08/21/2001	Suzuki			
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No	
		WO 02/19337 A	03/07/2002	MOTOROLA, INC.			
		EP 1 426 966 A	06/09/2004	SHARP KK			
		EP 1 455 363 A	09/08/2004	SHARP KABUSHIKI KAISHA			
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		Zhuang W., et al. "Novel colossal magnetoresistive thin film nonvolatile resistance random access memory (RRAM)" Technical Digest of International Electron Devices Meeting 2002, San Francisco, CA, December 8-11; New York, NY December 8, pp. 193-196.					
EXAMINER				DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.